

Huntington VA Medical Center
Statement of Work
WLAN Site Survey

- I. Project Name: Charleston CBOC WLAN Site Survey**
II. Location: _____
III. Site Point of Contact (POC): _____
IV. Background

The Huntington Veterans Affairs Medical Center campus is located at 1540 Spring Valley Dr, Huntington, WV 25704. The Huntington VAMC utilizes the VA National Wireless Initiative WLAN system which consists of Cisco AIR-CAP3502i –A-K9 access points and is designed to provide data, voice and Location Based Services (LBS) across the various campus buildings but not outside of the buildings.

V. Scope

The scope of this Statement of Work (SOW) is for the vendor to perform a Wireless Local Area Network (WLAN) Site Survey (*Charleston CBOC*). Specific details:

- Total Square Footage To Be Surveyed: _____
- Provide 802.11a/b/g coverage in the 2.4 and 5 GHz frequency bands
- Utilize the VA National Wireless Cisco WLAN implementation guidelines, specifically the use of Cisco 3502i FIPS 140-2 compliant access points are mandated. (This info is provided should it impact the design results)
- Produce a WLAN design that supports LBS according to the VA National Standard Real Time Location Services (RTLS) guidelines and industry Best Practices.
 - Wireless voice coverage (802.11a) coverage for all areas is also very important
 - Per Cisco's recommendation, access points should be vertically aligned between floors as much as possible.
- Provide detailed coverage heat maps for the implementation.
- Provide spectrum analysis to identify sources of noise and interference
- Utilize personnel certified to perform WLAN site surveys and industry standard professional grade software/equipment (e.g. Fluke AirMagnet) for the survey.
- Provide project management for the survey, design and delivery phases including:
 - Pre-site survey conference call(s) as needed
 - On-site meetings/conference call(s) as needed
 - Project documentation
 - End-of-Project meeting:

When complete, the results of the site survey will be delivered to the Huntington VAMC along with all design documents detailing recommended placement of access points to accomplish the design guidelines.

VI. Guidelines

Vendor personnel will be required to come on-site for the survey. Vendors are responsible for following all contractor traffic, safety and security regulations. Since the survey will be done in a construction area (exterior and interior walls will have been completed prior to the survey).

The on-site vendors will report to the designated VA point of contact each morning. The VA will provide an escort for the vendor during the site survey.

VII. Date of Service

- a. To be determined.

VIII. Stipulations and Services To Be Provided

a. Summary

i. Specific Site Survey Requirements

1. The onsite wireless site survey will be conducted in the 2.4 GHz (IEEE 802.11 b/g/n) and 5 GHz (IEEE 802.11a/n) frequency bands.
2. The objective of the site survey is to provide reliable wireless coverage in all areas of the specified floor for data, voice and RTLS.
3. The vendor will utilize personnel who are certified by a nationally recognized authority to conduct WLAN site surveys. Proof of certification must be presented to Huntington VAMC upon request.
4. The VA will provide the vendor a floor diagram in PDF, PNG, JPG or AutoCAD format prior to commencement of the site survey.
5. The vendor will provide the heat maps, recommended access point placements, etc. in PDF or other format that is acceptable to the VA.
6. The Huntington VAMC does not have Internet WiFi available to the vendor nor can vendor devices such as laptops be connected to the VA network. If Internet WiFi access is needed the vendor should consider having a 3G or 4G card installed in vendor's laptop(s)

ii. Project Deliverables:

1. All documents related to the Wireless Survey to include:
 - a. WLAN heat map(s) of the surveyed area(s)
 - b. Spectrum Analysis and interference tables/maps for all surveyed area(s)
 - c. Map of the surveyed area(s) with recommended access point/antenna placement
 - d. Any areas of spectrum interference noted

b. Scope of Responsibility

i. Contractor Responsibilities

1. Meet the Huntington VAMC schedule date/time.
2. Perform all site survey tasks enumerated above.
3. Submit site survey results and documentation to the customer.
4. Ensure all site survey tasks are completed.
5. Inform and provide recommendations to the customer about any action items not included in the SOW.
6. Provide a liaison for technical/management representation.
7. Develop a project timeline and plan.
8. Coordinate weekly status meetings and provide necessary communications on a daily basis

ii. Customer Responsibilities

1. Provide site access for contractor technicians.
2. Notify contractor technicians of any safety procedures, training or equipment required by VA regulations.
3. Provide an on-site point of contact.
4. Ensure that a safety plan (if necessary) is in place prior to maintenance is performed.

IX. Points of Contact

X. Acronyms

SOW	Statement of Work
VAMC	Veterans Affairs Medical Center
UPS	Uninterruptable Power Supply
WLAN	Wireless Local Area Network
BCVAMC	Battle Creek VAMC
LBS	Location Based Services